Preliminary Syllabus, v.4

ESCI 301: INTRODUCTION TO THE EARTH
FALL 2014

Lecture: T-Th 9:25 - 10:50 AM
Lab: M 1:00 - 4:00 PM
Professor: Julia Morgan, Jerry Dickens
TA: Chinh Nguyen

Text: Marshak, Stephen (2012), **Earth: Portrait of a Planet**, W.W. Norton & Co., 4th Edition.

Lab Text: Busch, R.M (Ed), (2015), **Laboratory Manual in Physical Geology,** Pearson. 10th Edition.

Grading Criteria: 4 cr: Exams (2) & quizzes (top 5)-60%; field trips & participation–10%; labs/assign-30%.

Week	Date		Topic	Text	Lab
Week 1	Aug 25		- -		Discover Plate Boundaries
	Aug 26		Origin of Earth & Earth in Space (jkm)	Ch. 1	
	Aug 28		Earth System & Structure (jkm)	Ch. 2	
Week 2	Sep 01		***LABOR DAY – NO CLASS***		***NO LAB***
(jkm away)	Sep 02		Continental drift (jd)	Ch. 3	
	Sep 04		Plate tectonics 1 (jkm)	Ch. 4	
Week 3	Sep 08		- -		L9–Maps & topography
	Sep 09	(Q1)	Plate tectonics 2 (jkm)	Ch. 4	
	Sep 11		Geologic time & relative age (jd)	Ch. 12 & Interlude E	
Week 4	Sep 15		- -		L2–Plate Tectonics
	Sep 16		Earth History 1 (jd)	Ch. 13	
(jkm away)	Sep 18		Earth History 2 (jd)	Ch. 13	
Week 5	Sep 22		- -		L3–Mineral ID
	Sep 23	(Q2)	Minerals and classification (jkm)	Ch. 5	
	Sep 25		Rock classification & rock cycle (jkm)	Interludes A & C	
Week 6	Sep 29		- -		L4–Rock Formation
	Sep 30		Magma and Igneous rocks (jkm)	Ch. 6	
	Oct 02	(Q3)	Sedimentary rocks and soils 1 (jkm)		Interlude B & Ch. 7
Week 7 (jd away)	Oct 06		- -		L5–Igneous rocks
(jd away)	Oct 07		Sedimentary rocks and soils 2 (jkm)	Ch. 7	
(jd away)	Oct 09		**-- First Term Exam --**		
Week 8 (jd away)	Oct 13		***FALL RECESS – NO CLASS***		***NO LAB***
(jd away)	Oct 14		***FALL RECESS – NO CLASS***		
(jd away)	Oct 16		Metamorphic rocks 1 (jkm)		Ch. 8
Week 9 (jd away)	Oct 20		- -		L6–Sedimentary rocks
(jd away)	Oct 21		Metamorphic rocks 2 (jkm)		Ch. 8
(jd & jkm away)	Oct 23		Earthquakes & Earth's interior (fn)	Ch. 10 & Interlude D	
Week 10 (jd away)	Oct 27		- -		L7–Metamorphic rocks
(jd away)	Oct 28	(Q4)	Volcanoes & eruptions (jkm)	Ch. 9	
(jd away)	Oct 30		Crustal deformation & mtn building (jkm)	Ch. 11	
Week 11	Nov 03		- -		L10–Geol struct & maps
	Nov 04		Hydrologic cycle / Streams & rivers (jd)	Interlude F & Ch. 17	
	Nov 06		Oceans & coasts (jd)	Ch. 18	
Week 12	Nov 10		- -		L16–Earthquakes
	Nov 11	(Q5)	Groundwater (jd)	Ch. 19	
	Nov 13		Earth's atmosphere & climate (jd)	Ch. 20	

Any student with a disability requiring accommodations in this class is encouraged to contact me after class. Additionally, students should contact the Disabled Student Services office in the Ley Student Center.

Week 13	Nov 17	- -		L#–Hydro Cycle/Grndwtr
	Nov 18	Landslides & mass movements (jkm)	Ch. 16	
	Nov 20	Deserts (jkm)	Ch. 21	
Week 14	Nov 24	- -		L13/14–Glaciers
	Nov 25 (Q6)	Climate and global change (jd)	Ch. 23	
	Nov 27	***THANKSGIVING – NO CLASS***		
Week 15	Dec 01	- -		L8–Dating & Rel. Time
	Dec 02	Energy & Mineral resources (jd)	Ch. 14 & 15	
	Dec 04	**-- Second Term Exam --**		

Landslides & mass movements (jkm) Ch. 16

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